



SERVICE BULLETIN

No. 548

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

" DOA SO-1 Approved "

March 7, 1977

S/M

Subject: Engine Control Rod End Bearing Inspection

Models Affected: Serial Numbers Affected:

PA-28-140 Cherokee Cruiser.....	28-25001 to 28-7725172 Inclusive
PA-28-151 Cherokee Warrior.....	28-7415001 to 28-7615435 Inclusive
PA-28-161 Cherokee Warrior II.....	28-7716001 to 28-7716071 Inclusive
PA-28-180 Cherokee Archer I.....	28-5153 to 28-7505260 Inclusive
PA-28R-180 Cherokee Arrow.....	28R-30737 to 28R-7130013 Inclusive
PA-28-181 Cherokee Archer II.....	28-7690001 to 28-7790363 Inclusive
PA-28R-200 Cherokee Arrow II.....	28R-35001 to 28R-7635512 Inclusive
PA-28R-201 Cherokee Arrow III.....	28R-7737001 to 28R-7737023 Inclusive
PA-28R-201T Cherokee Turbo Arrow III..	28R-7703001 to 28R-7703043 Inclusive
PA-28-235 Cherokee Pathfinder.....	28-7310001 to 28-7710016 Inclusive
PA-32-260 Cherokee Six 260.....	32-1111 to 32-7700013 Inclusive
PA-32-300 Cherokee Six 300.....	32-40566 to 32-7740040 Inclusive
PA-32R-300 Cherokee Lance.....	32R-7680001 to 32R-7780215 Inclusive
PA-34-200 Seneca.....	34-7250001 to 34-7450220 Inclusive
PA-34-200T Seneca II.....	34-7570001 to 34-7770163 Inclusive

Compliance Time: Within the next 50 Hours of operation or at the next regularly scheduled inspection, whichever occurs first.

Purpose: It was found that the rod end bearing (Mfr. No. AHM 3LS or AHFT3-Piper Part No. 452 557) used on the Throttle, Mixture, and Prop Control Cables of some of the above referenced aircraft, will become extremely tight in cold weather due to contraction. Tightening of the bearing could impede the proper operation of these controls.

This Service Release furnished instructions for inspection, and replacement (if necessary) of the rod end bearing.

Instructions:

1. Gain access to the engine by opening or removing the cowling as required to conduct inspection.
2. Inspect the rod end bearing attached to the Mixture Throttle and Prop Governor (if applicable) Control Cables. (Refer to the picture attached to this Service Release.)
 - a. If a rod end bearing as identified in the picture as number two (2) (Brass Ball Retainer) or as number three (3) (Silver Ball Retainer) is installed then no

over

Instructions: (Continued)

2. a. (continued)
further action is required. Make appropriate log book entry and return aircraft to service.

NOTE

In those instances where the inspection listed in Item One (1), above, can be accomplished without disconnecting any linkage, then it may be done by the owner/operator.

- b. If a rod end bearing - identified in the attached picture as number one (1) with a raised ball retainer is installed, it must be removed and replaced with a bearing listed in the Material Required, below. (Refer to the appropriate Piper Service Manual for proper replacement and rigging instructions.) Make appropriate log book entry and return the aircraft to service.

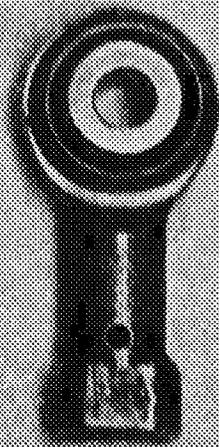
Material Required: For each control cable involved, one (1) Piper Part Number 452 557 Rod End Bearing (Heim HFV-3 or Seal Rod TR-3-39MX).

Availability of Parts: Your Piper Field Service Facility.

Effectivity Date: This Service Bulletin is effective upon receipt.

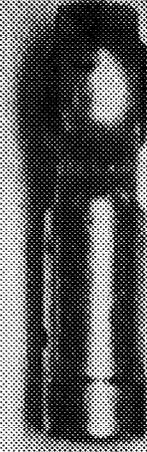
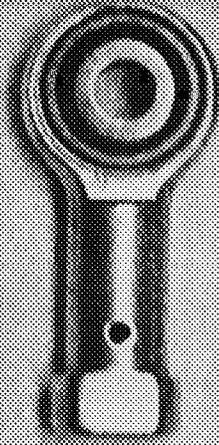
Summary: Please contact your Piper Field Service Facility to make arrangements for compliance with the provisions of this Service Release in accordance with Compliance Time.

1



Note "raised" ball retainer

2



3

